

LF-Zugsicherung-SL mit Keilen

LF-Anchoring clamp-SL with wedges

Installation instructions

The Frischhut Anchoring clamp with wedges is used for restraining flexible push-in sockets (KS or made of uPVC) with sealing system 3S in connection with PVC pipes.

When installing the pipe, the relevant standards and specifications have to be considered.

The Anchoring clamp is delivered preassembled, including semi shells with inserted grip wedges, O-rings and locking wedges (2 pieces each).

1. Dismount the locking wedges on both sides.
2. Remove one O-ring. While opening, the remaining O-ring can be used as hinge.
3. The semi shells must be mounted on the socket, the inserted grip wedges must have full contact to the pipe. Make sure, that the semi shells have a loose fit on the socket (figure 2). The gap between them must be nearly equal at both sides.
4. Compress the semi shells, so that the second O-Ring can be inserted in the designated groove.
5. Now push the locking wedges from the pipes' direction to the socket on the wedge guidances (wide opening ahead). The locking wedges must be driven to the socket with a hammer until the axial movement stops. We recommend to put a wooden block between hammer and locking wedges, in order to avoid zinc damages.
6. The locking wedges must cover at least 2/3 of its respective wedge guidance' length on the semi shells. The grooves, in which the O-rings are inserted, must be covered by the locking wedges!
7. If required, the locking wedge can be driven more, to increase the grip pressure.
8. For dismounting, the locking wedges must be pushed back with a hammer to remove them. We recommend to put a wooden block on the wide opening of the locking wedge, in order to avoid damages caused by sliding off with the hammer. If the semi shells stick on the pipe, they can be lifted off with a suitable lever. (e.g. Wrench)

Attention:

- The Anchoring clamp with wedges can be used for pipes made of uPVC PN 10(12,5) or PN 16(20) with sealing system 3S and pipes made of PE100 SDR11. Additional types of pipes upon request.
- When using a hammer, it's basically important to use protective equipment, to maintain a sufficient safety distance and to ensure a stable standing in order to avoid injuries.
- At this system, the necessary frictional force between the grip wedges and the pipe is caused by the pressure of the locking wedges, which requires a sufficient axial force. Recommended hammer sizes: dn90-140: 1kg, dn160-225: 2kg
- In constraint installation conditions, the first locking wedge with limited access can be pushed at least 2/3 on its wedge guidance before assembling the second one. The required pressure would then be applied by the second locking wedge at best installation position. With lack of synchronous assembly, there might be an axial offset to the first one.

